

Save

Cost-Effective, Disk-Based Backup and Recovery Appliance

REO® 1500

with Protection OS™

The REO® 1500 Disk-Based Backup and Recovery Appliance solves the challenges that IT professionals face—exponential data growth, shrinking backup windows, the need for fast data recovery, new government regulations—by providing fast, reliable data backup and recovery while reducing operating costs.

The REO 1500 delivers reliable unattended backups and near-instantaneous file recovery in an easy to use, versatile appliance. Easily configured as a virtual tape library, standalone virtual tape drives, and/or disk volumes (LUNs), the REO 1500 can be easily deployed and modified to adapt to changing data protection requirements.

Unlike tape autoloaders, standalone tape drives, and other disk-based backup systems, only the REO SERIES® includes REO Protection OS™ software, which embeds data protection intelligence and enables future software enhancements via software PACs. It also provides a core set of volume and device virtualization, management, and connectivity features found only in REO SERIES appliances. When configured as virtual tape, backup data is written sequentially and in large blocks, which results in greater backup performance. In addition, REO SERIES virtual tape appliances are not susceptible to disk fragmentation, viruses, manual volume management, hackers, ongoing tuning, or file system overhead—all are common problems found with general purpose disk-based backup systems.

And only the REO SERIES includes patent-pending Dynamic Virtual Tape™ (DVT) technology, which ensures that no storage capacity is wasted while eliminating the manual effort and guesswork of sizing, configuring, provisioning, and deleting virtual

tape cartridges. With DVT, users can create virtual tape cartridges that automatically expand or shrink to match the exact capacity requirements of the backup operation.

An intuitive and robust browser-based graphical user interface makes REO 1500 easy to configure and manage. Users can proactively monitor REO appliances and receive e-mail alerts for instant notification of status changes.

REO 1500 Key Benefits:

Flexible Functionality – easily configured as a virtual tape library, standalone virtual tape drives, and/or disk volumes (LUNs).

Performance – when configured as virtual tape, data is written sequentially and in large blocks for fast, reliable backup. Utilizes direct access disk technology for nearly instantaneous data recovery.

Easy Integration – compatible with all popular open systems and Windows-based backup software physical tape drives or libraries and easily connects to Ethernet (iSCSI) networks.

REO Protection OS – software embedded in all REO SERIES appliances. Provides data protection intelligence including virtualization, management and connectivity. Also enables enhanced features via add-on software PACs (e.g. REO Multi-SitePAC).

Dynamic Virtual Tape – virtual tape cartridges are automatically sized to match backup job so no capacity is wasted. Eliminates manual effort and guesswork of sizing, configuring, and provisioning virtual cartridges.



- ➔ Enables fast, reliable backup and recovery
- ➔ User-defined functionality:
 - Virtual Tape Library
 - Virtual Tape Drives
 - Disk Volumes (LUNs)
- ➔ Up to 4 TB raw capacity
- ➔ RAID 5 data protection
- ➔ REO Protection OS™ software
- ➔ Dynamic Virtual Tape
- ➔ Compatible with all popular backup software
- ➔ Ethernet (iSCSI) connectivity

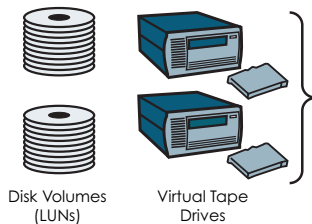
	REO 1500	1U/2U TAPE AUTOLOADERS
High Capacity		
Flexible Functionality	✓	
Instant Data Recovery	✓	
Compact Form Factor	✓	✓
Virtualization	✓	
Protection OS Software	✓	
Dynamic Virtual Tape	✓	
Virtual Tape Library	✓	
RAID Protection	✓	
Low Operating Costs	✓	

REO Multi-SitePAC™ Software Option:

Automates the manual process of protecting remote data without requiring changes to existing backup systems or software. Multi-SitePAC seamlessly transfers backup data in virtual tape format from a remote REO to a central REO, where it can be consolidated, managed and archived.

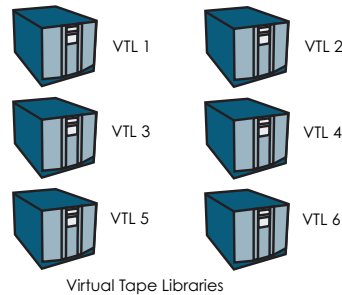


REO SERIES - CONFIGURATION EXAMPLE:



- User definable - up to 64 virtual tape drives and/or disk volumes (LUNs)
- Dynamic Virtual Tape functionality

AND/OR



- Virtual Tape Libraries:
 - up to 32 virtual drives
 - up to 512 virtual cartridges
 - up to six library partitions
- Dynamic Virtual Tape functionality

SPECIFICATIONS

FUNCTIONALITY

User defined as a tape library with up to 32 virtual tape drives, 512 virtual cartridges, six partitions and/or any combination up to 64 standalone virtual tape drives and/or disk volumes (LUNs).

CAPACITY* (SATA DISKS)

Raw/RAID 5

(4) 250 GB - OR - (4) 500 GB - OR - (4) 750 GB - OR - (4) 1 TB
1.0 TB (750 GB RAID 5) 2.0 TB (1.5 TB RAID 5) 3.0 TB (2.25 TB RAID 5) 4.0 TB (3.0 TB RAID 5)

MULTI-STREAM PERFORMANCE

Up to 109 MB/sec

STANDARD SOFTWARE FEATURES

REO Protection OS software with Dynamic Virtual Tape, disk virtualization, browser-based management, SNMP, and e-mail alerts

STANDARD HARDWARE FEATURES

19-inch rack-mount enclosure, hot-swap SATA disk drives, RAID controller, GbE data ports, 10/100 management port

EXTERNAL INTERFACES

Hardware
Management

One, 1 Gb Ethernet (iSCSI) port (RJ45),
One, Ethernet Management Port (RJ45)

ARRAY CONTROLLER

Single RAID controller

RAID SUPPORT

RAID 5

POWER REQUIREMENTS

Voltage
Frequency
Current
Power Cord Connector (US)
Power Consumption

100 to 120 VAC, 200 to 240 VAC+/-10%
47 to 63 Hz
2.5A @ 115 VAC, 12.5A @ 230 VAC
IEC 60320 C13 connector
Steady state 180 W; Peak 200 W

ENCLOSURE

Dimensions
Weight

17 x 27 x 1.75 inches (43.18 x 68.58 x 4.45 cm), 1U rack-mount
35 lbs. (16 kg)

ENVIRONMENTAL REQUIREMENTS

Humidity
Temperature
Altitude
Shock
Vibration

OPERATING

20–80% non-condensing
10–40° C
-984 to 10,000 feet
-300 to 3,048 m
10 G (11 ms half sine)
.25 G swept sine
(5–250–5 Hz) no errors

NON-OPERATING

10–95% non-condensing
-40 TO 60°C
-984 to 30,370 feet*
-300 to 12,000 m
20 G (11 ms half sine pulse)
1.0 G swept sine
(5–250–5 Hz)

AGENCY APPROVALS

UL/TUV, NRTL, CE, CUL (Canada), VCCI Class B/CISPR PUB 22 (Japan)

INTEROPERABILITY

Contact Overland Storage or visit www.overlandstorage.com for the most current iSCSI, Fibre Channel, and backup software compatibility matrices

STANDARD WARRANTY

Standard warranty includes 3-year Spares XchangeNow® and 90-day REO Protection OS support via telephone, e-mail, and Web. Extended service options available.

* One TB equals one trillion bytes.

WORLDWIDE HEADQUARTERS

4820 Overland Avenue
San Diego, CA 92123 USA

TEL 1-800-729-8725

1-858-571-5555

FAX 1-858-571-3664

EMAIL Sales@overlandstorage.com

UNITED KINGDOM (EMEA OFFICE)

Overland House
Ashville Way
Wokingham, Berkshire
RG41 2PL England

TEL +44 (0) 118-9898000

FAX +44 (0) 118-9891897

EMAIL europe@overlandstorage.com

FRANCE OFFICE

Overland Storage
88 ter avenue du General Leclerc
92100 Boulogne Billancourt
France

TEL +33 (0) 1 74311070

FAX +33 (0) 1 74311131

EMAIL europe@overlandstorage.com

GERMANY OFFICE

Humboldtstr. 12
85609 Dornach Germany
TEL +49-89-94490-214
FAX +49-89-94490-414

EMAIL europe@overlandstorage.com

ASIA PACIFIC OFFICE

Overland Storage
Level 44, Suntec Tower Three
8 Temasek Boulevard
Singapore 038988

TEL +65 6866-3848

FAX +65 6866-3838

EMAIL asia@overlandstorage.com